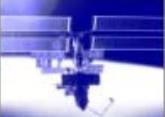


MSFC

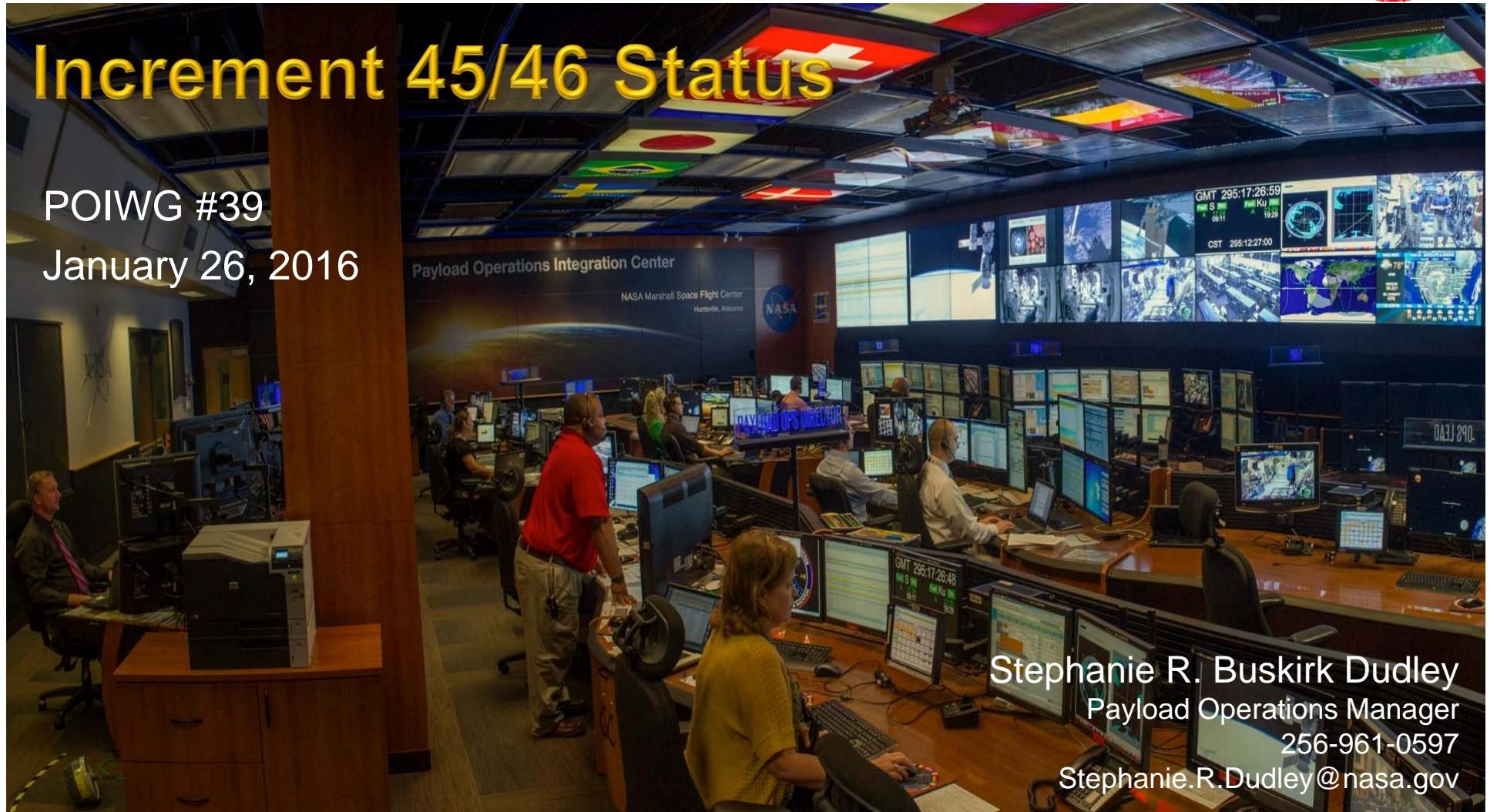


NASA MSFC
Mission Operations Laboratory



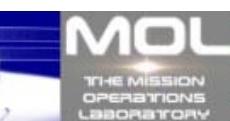
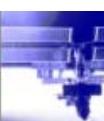
Increment 45/46 Status

POIWG #39
January 26, 2016



Stephanie R. Buskirk Dudley
Payload Operations Manager
256-961-0597
Stephanie.R.Dudley@nasa.gov

NASA MSFC
Mission Operations Laboratory



MSFC



Inc 45/46 So Far

◆ Major Accomplishments

- ◆ IMAX Operations Completed
- ◆ Completed Fluid Shifts for One Year Crew
- ◆ RRM Taskboard 4 Retrieval
- ◆ MELFI 2 RIU Replacement
- ◆ AMS Thermal Blanket Install during EVA
- ◆ Veggie – Zinnia Plants
- ◆ NRCSD #6 Deploys
- ◆ Marrow – First Operations – Breath Collection

◆ Challenges

- ◆ SSU and MT Translate Failures
- ◆ Delay of Vehicle Traffic
- ◆ Re-alignment of Prime/Reserve crew time



NASA MSFC
Mission Operations Laboratory



MOL
THE MISSION
OPERATIONS
LABORATORY



2
MSFC



Thinking outside the box

- ◆ POIC used Remote Desktop Protocol (Ku Forward) to perform the software application load for Express Rack 7 and 8 laptops following the upgrade to CLS10.
 - ◆ Remote Desktop capability has been in place for several months, for the POIC PRO to configure EXPRESS Laptops as needed to support operations
 - ◆ Using this capability, the loads were able to be completed from the ground without the use of crew time.



NASA MSFC
Mission Operations Laboratory



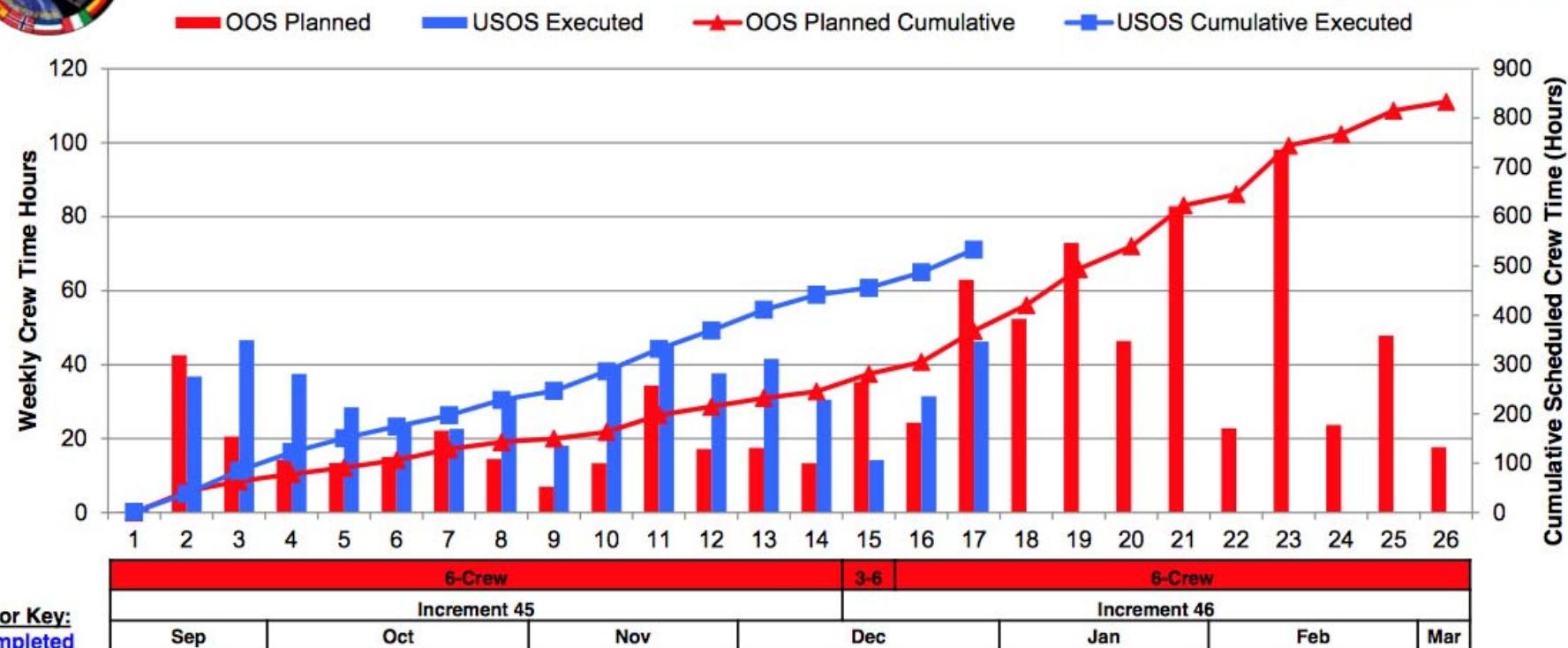
MOL
THE MISSION
OPERATIONS
LABORATORY



3
MSFC



Inc 45 - 46 Utilization Crew Time



Color Key:
Completed
Final OOS
FPIP Plan



HTV5
Unberth 9/28/15



US EVA
(ISS
Upgrades)
10/28/15



US EVA
(P6 RTOC)
Berth 12/9/15
Unberth 2/4/16
Unberth 2/7/16



OA-4

US EVA
(MT Rescue
12/21/15)



SpX-8
Berth 01/3/16
Berth 2/10/16
Unberth 02/1/16
Unberth 03/11/16



USOS (SSU)

SpX-9 and SpX-10
were not planned in
the Final OOS.

Executed through Increment Wk (WLP Week) 17 = 15.0 of 23.6 work weeks 63.56% through the Increment
USOS IDRD Allocation: 826 hours

OOS USOS Planned Total: 832.91 hours
USOS Actuals: 533.42 hours

64.58% through IDRD Allocation
64.04% through OOS Planned Total

Total USOS Average Per Work Week: 35.56 hours/work week
Voluntary Science Totals to Date: 3.5 hours (Not included in the above totals or graph)
RSA/NASA Joint Utilization to Date: 29.67 Hours (not included in the above totals or graph)



We are in the home stretch...

- ◆ SPHERES Zero Robotics
- ◆ BASS-M and BASS-2
- ◆ Orbital-4 Departure
- ◆ Lonestar Deploy
- ◆ Preparation for Rodent Research 3
- ◆ SpaceX-8 Arrival

Inc 47 starts March 2, 2016



NASA MSFC
Mission Operations Laboratory



MOL
THE MISSION
OPERATIONS
LABORATORY



MSFC 5